DAY 2 Thursday 31 August

Session 2 Water and wastewater treatment and reuse (1)
Room: Zeus I
Chairs:

09:00-09:15 Castrogiovanni F., Salerno C., Berardi G., Tumolo M., Pollice A.
[522] An easy numerical evaluation of the DM growth in Self-Forming Dynamic Membrane Bioreactors (SFD MBR) for Wastewater Treatment

09:15-09:30 Ren S., Peng Y.
[385] One-stage and multistage anoxic/oxic systems based on continuous plug-flow anammox process for mature landfill leachate treatment

09:30-09:45 PAPASLIOTI E.M., Charlet L., Fernández Martínez A., Tabuteau H., Jean-Marc G., Vantelon D.
[35] Retention potential of contaminants by (nano)magnetite in batch and microfluidic systems

09:45-10:00 Dessì E., Milia S., Cara S., Carucci A.
[91] Concomitant phosphorus and nitrogen removal from agro-industrial wastewater through Partial Nitritation/Anammox process

10:00-10:15 Papamichael I., Tsangas M., Economou F., Bandi D., Samaras P., Zorpas A.
[412] LCA of wastewater treatment plant for energy valorization of primary solids

10:15-10:30 Khamis F., Hegab H., Arafat H., Banat F., Hasan S.
[96] Development of pH-Responsive Adsorptive Ultrafiltration Membrane for the treatment of Heavy Metals from Aqueous Solution

Session 3 Recycling of materials to new products
Athena I

09:00-09:15 Lourmpas N., Efthimiadou E., Filippidis A., Papanikos P., Lekkas D., Alexopoulos N.
[248] Degradation assessment of high-density polyethylene (HDPE) debris after long exposure to marine conditions

09:15-09:30 Ferreiro-Domínguez N., Salman S., Mosquera-Losada M.R.
Chemical properties of plant-based biochar to be used as soil fertiliser in Galicia (NW Spain)
Coffee ground biosorbent for nitrite and nitrate recovery and soil nutrient

Towards sustainable plastics recycling: assessing the integrity status of polypropylene (PP) debris to recycle marine-degraded materials

Towards sustainable plastics recycling: assessing the integrity status of polypropylene (PP) debris to recycle marine-degraded materials

EPS waste management from coastal cleaning actions: identification of contamination sources, collection, treatment, and reuse in cement-based materials

RECYCLING APPROACHES OF MARINE PLASTIC LITTER

Valorization of poultry manure extract enriched with sodium acetate in mixotrophic cultivation of Auxenochlorella protothecoides

Reimbursement of aluminum and PET packaging project at a University Campus: a case study

Microbial inoculum production for bioleaching of critical metals from tailings

Session 4 Sustainable development in insular regions under tourism pressures: an integrated approach
Athena II

Carrying capacity in islands. The case of Mykonos

Integrated approach for Sustainable Development in islands under tourism pressure: First findings Serifos and Tinos

Sustainable mobility on insular regions with significant tourism pressures

Conflicts between development patterns, hydrological resilience and water justice in insular tourism destinations - the necessity for water governance.
Session 5 Sustainable production and management of biomass
Hera I

09:00-09:15 Patsios S., Batsioula M., Skoutida S., Gerolimiios D., Melas L., Karkanias C., Karanasiou A., Saliakellis P., Malamakis A., Banias G.

[294] Mapping of available biological feedstock streams: The case of agro-industrial waste and by-products in the Region of Central Macedonia - Greece

09:15-09:30 Orfanou A., Lekkas D., Wern B.

[372] Towards bioeconomy implementation - hotel’s biomass potential and the use of it

09:30-09:45 Attia M.

[496] Paradigm Shift Towards Integrated Sustainability and High Performance Machining

09:45-10:00 González Martínez M., GRAUL T., NZIHOU A.

[452] Preparation, characterization and utilization of biosourced nickel and iron-based catalysts for hydrogen production

10:00-10:15 Carone M., Costamagna L., Zanetti M., Riggio V.

[481] Assessment of water reuse potential for the cultivation of the red microalga Galdieria sulphuraria

10:15-10:30 Costamagna L., Carone M., Zanetti M., Riggio V.

[482] Evaluation of microalgae CO2 bio-fixation efficiencies under controlled growth conditions in a closed pilot-scale planar photobioreactor

10:30-10:33 KAEWKANNETRA P., LORWANISHPAISARN N.

[510] Valorisation of biomass waste into bioproduct: Potential use of cannabis extracts for bacterial inhibition activity

Session 6 ESG (Environmental, Social and Governance) and circular economy
Hera II

09:30-09:45 Miranda A., Fidélis T., Roebeling P., Meireles I.

[95] Water-wise approaches for circular cities - lessons learned from
Amsterdam.
09:45-10:00 Alizadeh L., Liscio M.C., Sospiro P.
[363] The phenomenon of greenwashing in the fashion industry: a conceptual framework
10:00-10:15 Liogkas V.
[447] Circular Cities: Challenges and Opportunities towards their transition to a green, smart and circular economy
10:15-10:30 Dedi L., Nad T.
[494] Volatilities and returns of selected ESG ETFs and SRI ETFs
10:30-10:33 Kiritsi A., Tripathi S.

Session 7 Water and wastewater treatment and reuse
Zeus I

12:30-12:45 Cairone S., Hasan S., Zarra T., Belgjorno V., Naddeo V.
[353] Optimization of wastewater treatment by integration of artificial intelligence techniques: recent progress and future perspectives
12:45-13:00 Wu F., Deng F., Liu S., Hose G., George S.
[357] Understanding the alteration of organic pollutants and microbiome profiles in a petrochemical wastewater biotreatment process
13:00-13:15 Mannina G.
[422] Oxic-Settling-Anaerobic under intermittent aeration: effect on system performance, sludge minimization and greenhouse gas emissions
13:15-13:30 Posavic H., Halkijevic I., Vouk D., Nakic D.
[439] Settling and filtration experiments for the removal of flocs produced by a hybrid sono-electrochemical process
13:30-13:45 Angus F., Clemente E., Ballesteros Jr. F.
[139] Investigative Study on the Effectivity of Plant-Based Coagulants for the Siltation Pond of an Aggregate Crushing Plant in Southern Luzon, Philippines
[371] Selection of bacterial strains to bioaugment granular sludge and improve the removal of recalcitrant pollutants
14:00-14:15 Karkou E., Savvakis N., Aryblia M., Arampatzis G., Angelis-Dimakis A.
14:15-14:18 Hansen H., Gutierrez C., Alarcon J., Lazo A., Hansen M., Lazo P., Ortiz R.  
[153] Use of residues from Eucalyptus Globulus as biosorbents for cadmium removal

14:18-14:21 Hansen M., Hansen H., Gutierrez C., Lazo A., Lazo P.  
[271] Application of electrochemical peroxidation with nanoscale zero-valent iron particles (nZVI) for selenium removal from oil refinery wastewater

Session 8 Beach erosion of island beaches in Eastern Mediterranean (Greece and Cyprus): Assessment, monitoring and management
Athena I

12:00-12:15 Hasiotis T., VELEGRakis A., HADJIMITSIS D., Loizidi M.  
[295] Beach erosion due to climate change: evaluation and best confrontation practices in touristic beaches of North Aegean Islands and Cyprus - The BEACHTECH project

12:15-12:30 CHATZIPAVLIS A., Andreadis O., Psarros F., Hasiotis T., Evagorou E., Loizidi M., Chrysostomou G.  
[298] Morphological changes recorded from an automated beach optical monitoring system in a highly touristic pocket beach, Coral Bay, Pegeia, Cyprus

12:30-12:45 CHATZIPAVLIS A., MONIOUDI I., VELEGRakis A.  
[453] Application of a Bioclimatic Index for Evaluating the Attractiveness of Two Highly Touristic Beaches in Santorini and Kos

12:45-13:00 VELEGRakis A., PAPADATOU K., Hasiotis T., MONIOUDI I., HADJIMITSIS D., Kontopyrakis K.  
[477] Coastal flood and erosion risk under climate change: An overview of policies and legislation in Greece and Cyprus

13:00-13:15 MONIOUDI I., Chatzipavlis A., Nikolaou A., VELEGRakis A., Hasiotis T.  
[478] Exploring beach visitors' willingness to pay for protecting island beaches from erosion: The case of Marmari beach in Kos, Greece

[490] Drivers and impacts of beach erosion in Eastern Mediterranean Islands

[511] Coastal Zone Vulnerability Analysis in East Mediterranean Basin: Greece, Cyprus and Montenegro
Session 9 Sustainable development in insular regions under tourism pressures: an integrated approach
Athena II

12:00-12:15 Skiniti G., Lilli M., Skarakis N., Tournaki S., Nikolaidis N., Tsoutsos T.
[246] Environmental monitoring and sustainable planning for tourism in Balos lagoon in Western Crete

12:15-12:30 Leka A., Papadopoulou M., Dionysopoulou A.
[585] Tourism Carrying Capacity in Natural Protected Areas. The case of Voidokilia Beach - Messinia, Greece

Session 10 Circular economy and bioeconomy
Hera I

12:00-12:15 Soleimani T., Hayek M., Junqua G., Salgues M., Souche J.
[20] Environmental and economic assessment integrated into laboratory-based scenario development for the valorization of dredged sediment

12:15-12:30 Filippou K., Bouzani E., Kora E., Ntaikou I., Papadopoulou K., Lyberatos G.
[310] Polyhydroxyalkanoates (PHAs) Production from the Liquid Fraction of dried/shredded Food Waste

12:30-12:45 Tsaridou C., Karanasioiu A., Sioutopoulos D., Plakas K., Tzioumaklis C., Patsikas N., Gliias P., Karabelas A.
[314] Nutrients recovery from liquid anaerobic digestate by combining nanofiltration and struvite precipitation - The case of dairy effluents valorization

12:45-13:00 Kazana V., Raptis D., Topliceanu L., ARUS A., PUIU P.G.
[525] Exploring awareness and practices of rural firms towards a circular economy: A study in rural areas of Greece and Romania

13:00-13:15 Dolgen D., Alpaslan M.
[194] Green Transformation of Organized Industrial Zones (OIZ) to Eco-Industrial Park (EIP): Experiences from Turkiye
13:15-13:30 Mendonça R., Roebeling P., Fidélis T., Saraiva M.

**[102]** Nature-based solutions and policy instruments towards an optimal urban design

13:30-13:33 Kiouranakis G., Ioannou Z., Gkatzionis K., Papanikolaou S., Sarris D.

**[345]** Treatment of three agro-industrial wastewaters by dried bio-absorbent orange peels and brewery spent grains.

13:33-13:36 Chaski C., Batziou E., Giannoulis K., Petropoulos S.

**[301]** THE EFFECTS OF BIOSTIMULANT APPLICATION ON Lavandula angustifolia CULTIVATION UNDER DEFICIT IRRIGATION


**[307]** Drought stress effect on crop development and chemical composition of field grown Scolymus hispanicus L. plants


**[495]** PLA based nanocomposites with Cellulosic and Lignocellulosic nanofibers as a biodegradable solution for green food packaging


**[503]** Rainwater collection and treatment on green roofs using aromatic plants in a Mediterranean region.

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**Session 11 Ecology, environmental change and management**

**Hera II**

12:00-12:15 Akogwu S., Wan Maznah W.O., McGowan S., Luki S., Fielding J.

**[21]** Paleolimnological approach infers past environmental changes archived in lake sediments of Bukit Merah Reservoir, Malaysia.

12:15-12:30 Enova A.E., Jaraula C.M., Villanoy C.

**[223]** Decreased Dissolved Oxygen Affecting Sustainability of Mussel Farming in East Manila Bay, Philippines


**[115]** Knowledge Evolution in Agroecology in Mediterranean Areas: A Bibliometric Analysis


**[498]** Techno-economic, environmental and social assessment of precision agriculture for stone fruit production

13:00-13:15 Sukiasyan A., Kirakosyan A.

**[311]** Season dynamics of pollution and changes in enzymatic activity in agricultural soil near an industrial area
13:15-13:30 Xhanari K., Xhaxhiu K., Lame A.
[406] Study Of The Performance Of Ruscus Aculeatus Leaves Alcoholic Extract As Corrosion Inhibitor For Carbon Steel In 1 M HCl Solution

[509] Strategies for the implementation of the sustainable development in protected areas: the case study of the Regional Park of Monti Lattari (Italy)

[408] Cornus Sanguinea Leaves Alcoholic Extract As Corrosion Inhibitor For Carbon Steel In Acidic Solutions

[288] Transforming wild rabbits’ overpopulation problem into a local biotic resource of Lemnos island

[359] Study of fragmentation and land use changes in the Natural Parks of Galicia

13:42-13:45 Balestra V., Drudi L., Bellopede R.
[377] The invisible environmental impact of tourism in show caves: microplastic pollution in three Italian show caves

**Session 12 Advanced oxidation processes and water treatment (V)**
VR1

12:00-12:15 Meropoulis S., Aggelopoulos C.
[70] Comparison between plasma microbubbles and gas-liquid dielectric barrier discharge (DBD) plasma for pollutants degradation in water

12:15-12:30 PAPALEXOPOULO K., Ronen A., Aggelopoulos C.
[72] Destruction of Perfluorooctanoic acid (PFOA) in water by cold atmospheric plasma

12:30-12:45 Hayri-Senel T., Kahraman E., Sezer S., Erdol-Aydın N., Nasun-Saygili G.
[89] REMOVAL OF CIPROFLOXACIN FROM WASTE WATER BY PHOTOCATALYTIC METHOD WITH WASTE POLYSTYRENE AND TIO2 COMPOSITES

12:45-13:00 Immandhi A., Maddila S., Jonnalagadda S.
[479] PHOTOCATALYTIC DEGRADATION OF ALDRIN UNDER THE INFLUENCE VIA OZONATION IN THE PRESENCE OF Ag2O/SmFeO3
13:00-13:15 Nowakowski M., Andrzejewski P., Wolski R.
[483] Application of KO2/ClO- advanced oxidation process to
degradation of polycyclic aromatic hydrocarbons on example of
phenanthrene

13:15-13:30 Giannoulia S., Triantaphyllidou E., Tekerlekopoulou A., Aggelopoulos C.
[69] Adsorption of antibiotics and dyes with individual and
simultaneous mechanisms onto halloysite nanoclay and regeneration
by cold plasma bubbling technology of saturated adsorbent

[356] Removal of selenium from polluted water by FexOy-sucrose
foams

13:45-14:00 Ouda M., Banat F., Naddeo V., Hasan S.
[82] Electrified membranes for microplastic fouling mitigation

14:00-14:15 Gomes I., Arruda V., Simões M.
[203] Impact of synthetic musks on interspecies interactions among
drinking water-isolated bacteria

14:15-14:30 Alves A.S., Rodrigues C.S., Madeira L.M.
[196] Treatment of a Toluene Gas Stream by Persulfate-based
Advanced Oxidation Process in a Bubble Column Reactor

14:30-14:45 MANSOURI A., BENDJABALLAH N., MEDJBAR S.
[497] Synthesis of NiFe2O4 and FeTiO2 photocatalysts for Rhodamine
B degradation via Photo-Fenton catalysis

Session 13 Water and wastewater treatment and reuse
Zeus I

16:00-16:15 Almashaqbeh O., Lyu T., Alsalhi L., Dotro G., Salaimeh L.
[73] Testing a pilot-scale of constructed wetlands for pharmaceutical
wastewater treatment using Jordanian zeolitic tuff

16:15-16:30 Boguniewicz-Zablocka J., Naddeo V., Corpuz M.A.
[424] Sustainable and Cost-effective Approach for Treatment of
Plating Industrial Wastewater Effluents

16:30-16:45 Rollon A., Nandar Htwe N., Tanji Y.
[276] Metagenomic Profile of Bacterial Community and Phage in
Domestic Wastewater Treatment Plant

16:45-17:00 Tsamoutsoglou K., Gikas P.
[365] Application of the Advanced Primary Filtration (APF) process for
upgrading overloaded Wastewater Treatments Plants

17:00-17:15 Larasati A., Bernadet O., Pinela S., Meulepas R., Gagliano M.
[368] Biological Oxygen-dosed Activated Carbon (BODAC) filters - A
bio-based treatment for wastewater reuse and reclamation
17:15-17:30 Yavari Z., Al Amri A., Nikoo M.R.

[403] The Occurrence and Risk Assessment of Microplastics: different treatment technologies for wastewater treatment plants in Oman

17:30-17:45 Friman H., Nakonechny F.

[33] The planning and implementation of a solar energy array in wastewater treatment

17:45-17:48 Tsiarta N., Keliri E., Fotidis I., Mazur-Marzec H., Neofytou G., Chrysargyris A., Tzortakis N., Antoniou G. M.

[574] CYANOTECH: A sustainable and innovative management system for toxic cyanobacteria blooming of surface waters with combined energy production, sustainable agriculture, and food safety.

Session 14 Marine Litter - New perspectives and methodologies
Athena I

15:30-15:45 Alexiadou I.

[550] Understanding local communities’ perception of marine pollution: a case study of two islands of the Cyclades, Greece

15:45-16:00 Topouzelis K., Papakonstantinou A., Moustakas A., Kosmopoulou A., Xirotagarou P.

[547] Exploring the Coastal Marine Litter Observatory (CMLO): An Innovative Approach for Monitoring and Managing Marine Litter Pollution

16:00-16:15 Yang Z., Jespersen S., Hansen D., Pajuro K., Liu F., Vollertsen J.

[486] Capturing Microplastics from Aquatic Systems Using Vortex-based Cyclone Technique

16:15-16:30 Giannattasio A.

[540] Low molecular weight polymers in aquatic environments as pollutants of emerging concerns: recovery, quantification and microstructure

16:30-16:45 Kosmopoulou A.

[549] Using stories to tackle marine pollution

16:45-17:00 Kouvara K., Kosmopoulou A., Fakiris E., Christodoulou D., Filippidis A., Katsanevakis S., Iloakeimdis C., Geraga M., Xirotagarou P., Papatheodorou G.

[554] Assessing Marine Litter on beaches and the seafloor in the Saronikos Gulf, Greece

17:00-17:15 Karapanagioti H., Mourkogiannis N., Tzachristas A., Yeo B.G., Alidoust M., Takada H.

[557] PCBs measured in plastic pellets from different beaches in Saronikos Gulf, Greece
15:30-15:45 Lopes D., Augusto B., Graça D., Rosa M., Relvas H., Ferreira J., Reis J., Lopes M.
[16] Multi-scale high-resolution atmospheric emission inventory for the transport sector

15:45-16:00 Drudi L., Giardino M., Janner D., Pognant F., Matera F., Sacco M., Bellopede R.
[88] Black Carbon characterization with Raman spectroscopy and machine learning techniques: first results for urban and rural area

16:00-16:15 Ravina M., Cerutti A., Marotta E., Zanetti G., Ruffino B., Zanetti M.
[272] Evaluation of solid sorbents for acid flue gas emissions treatment

16:15-16:30 Coscioni E., Zarra T., Belgiorno V., Naddeo V.
[415] Air pollution and cardiovascular disease: state of art and control strategies within “One Health” approach

16:30-16:45 Zarra T., Mariniello A., Marino V., Oliva G., Valentino E., Lalicata G., Caputo F., Naddeo V., Belgiorno V.
[506] Air quality monitoring and control in complex environments by advanced and integrated system

16:45-17:00 Teixeira J., Morais S., Rodrigues F., Delerue-Matos C., Oliveira M.
[109] Assessment of exposure to fine and ultrafine particulate-bound polycyclic aromatic hydrocarbons during prescribed burns

17:00-17:15 PANLAQUI A., Ballesteros Jr. F.
[143] Radon Levels Inside the Caves of Bohol Island, Philippines

[331] Seasonal fluctuations of PM2.5 concentrations at six Greek islands

[451] Fluctuation of Nighttime Ground Level Ozone Due to Artificial Light

17:45-17:48 Chriseftidou M., Michael N., Rossidou E., Kozakou S., Pouli K.
[414] Monitoring Air Quality in Cyprus

17:48-17:51 Gkaras S., Triantafyllou E., Dougalis A., Diamantopoulos C., Tolis E., Triantafyllou A.
[123] Source profile of PM10 emission sources in Western Macedonia, Greece, during 2022

17:51-17:54 Huang D., Kang Y., Yin Y., Zhang C.
[93] The impact of air pollution on spontaneous abortion
Life Cycle Assessment on fashion industry: four case studies

Design requirements for the development of an LCA Engine

Environmental and Economic Life Cycle Assessment of a Spanish whisky

Comparative life cycle assessment of lithium-ion batteries

LCA of Applying a Smart Farming System - Implementing a Territorial Approach for Recommending Good Agricultural Practices

Comparative life cycle assessment of lithium-ion batteries

Life Cycle Assessment and Cost Benefit Analysis for the integrated assessment of an innovative Mn-TiO2 nanoparticle photocatalytic paint

Classification, characterisation, standardisation and weighting in life cycle analysis (LCA): a case study of teaching innovation for higher education

More than meets the eye: Uncovering the social impacts of a household hazardous waste management system

Life Cycle Assessment of fertilization practices on greenhouse gas emissions in Cyprus

Environmentally-Extended Multi-Regional Input-Output Analysis of neodymium, cobalt and lithium used in electric vehicles

Social Acceptability of Offshore Wind Projects in Greece: Citizen Perspectives on Challenging Issues of Site-Selection Problem
15:45-16:00 Venables R.

[62] Domestic Photo-Voltaic installations - their contribution and practcalities

16:00-16:15 VLACHOKOSTAS C., PAPADOPOULOS A., MAKRIS D., ALEXOPoulos S.O., Schruefer J., HEOGEMANN D.

[124] Techno-economic assessment of a high temperature thermal storage integration into a sludge drying process in combination with PV electricity

16:15-16:30 Longinos S., Tuleugaliyev M., Randy H.

[161] Effects of High Temperature and Liquid Nitrogen Cooling: A Case Study of granite rocks from Kazakhstan

16:30-16:45 Falaras P.

[277] Interface engineering approaches for efficient and robust perovskite solar cells

16:45-17:00 Bertsiou M.M., Baltas E.

[208] Water scarcity, energy independence and the role of hybrid renewable energy systems

17:00-17:15 Boulogiorgou D., Kaldellis J.(.


17:15-17:30 Konuklu Y.

[530] A new material for microencapsulation of phase change material

17:30-17:45 Konuklu Y.


17:45-17:48 Alajlan M., Alsalem K.

[463] Solar attenuation due to particulate matter in arid environments

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**DAY 2 Friday 1 September**

**Session 18 Water treatment**

**Zeus I**

09:00-09:15 Antoniou G. M., Keliri E., Zindrou A., Deligiannakis Y.

[573] Application of peroxide-releasing compounds for the removal of cyanobacteria harmful blooms (cyano-HABs) in contaminated waterbodies: properties, toxicity and mitigation efficiencies
09:15-09:30 Verlicchi P., Grillini V., Maffini F., Benini A., Casoni R., Mari M.
[57] Drinking water from surface and ground water: production costs and influence of the climate change

09:30-09:45 Plevri A., Ioannidis C., Noutsopoulos C., Mamais D.
[290] Global Sensitivity Analysis of a Mathematical Model for AnMBR Systems Treating Municipal Wastewater

09:45-10:00 Yueting W., Hang X., Tianpei M.
[419] Unveiling the transformation of dissolved organic matter in drinking water treatments based on FT-ICR-MS and spectral analysis

10:00-10:15 Rincon S., Alvarez O.
[183] Experimental evaluation of activated carbon from oil palm oil kernel shells for the removal of paraquat diluted in water

10:15-10:30 Mudzielwana R., Budeli L., Gitari W.
[226] Synthesis and characterization of Ce/Al/Fe trimetal oxide modified diatomaceous earth for fluoride and pathogen removal: Adsorption kinetics and isotherm modelling studies

10:30-10:45 Tournis I., Sideratou Z., Kouvelos E., Sapalidis A., Panagiotaki K.
[252] WETTING STUDY OF PVDF - CARBON NANODISCS MEMBRANES FOR WATER TREATMENT APPLICATIONS VIA MEMBRANE DISTILLATION

Session 19 Climate change
Athena I

09:30-09:45 TZOUVARAS N.
[297] ELECTRICITY GENERATORS IN THE EUROPEAN UNION EMISSIONS TRADING SYSTEM: DEFINITIONAL ASPECTS IN THE LIGHT OF A JUDICIAL DECISION

09:45-10:00 Mavroulidou M.

10:00-10:15 Safdar M., Mavroulidou M., Gunn M., Garelick J.
[347] Investigating ammonia-free urea hydrolysis biocementation processes

[376] Exploring the mitigation potential of tree crops ecosystems in the Mediterranean region
Session 20 Environmental data analysis and modelling
Athena II
09:00-09:15 Ozcan T., Konyalioglu A.K., Beldek B.
[117] Grey Forecasting Models Optimized by Firefly Algorithm for Natural Gas Consumption Prediction in Turkey

09:15-09:30 Camaclang R., Ballesteros Jr. F., Labao A.
[171] aPredicting Land Cover Map Changes in the Philippines for use in LULC-based Carbon Capture Monitoring using Deep Learning

09:30-09:45 Li L., Li X.

09:45-10:00 Schlutow A., Schröder W., Nickel S., Jenssen M.
[130] Rule-based Quantification and Mapping of Ecosystem Services Across Three Spatial Scales by Example of Germany

10:00-10:15 La Cecilia D., Malvolti G., Despini F., Teggi S., Bigi A., Bach P.
[287] Urban Heat Island mitigation scenarios by Blue-Green Infrastructures modelling

10:15-10:30 Dimos S., Fotakis D., Mathioudaki A., Papadopoulos K.
[77] Fair and Efficient Allocation of EU Emission Allowances

Session 21 Environmental Biotechnology and Bioenergy
Hera I

09:00-09:15 Vela-García N., Bolonio D., J. Chuck C., García-Martínez M.
[71] Biorefinery model for the production of biofuels and bioproducts from lignocellulosic biomass

09:15-09:30 García S., Muñoz R., Lebrero R.
[94] Enrichment of mesophilic syngas-converting consortia for methane production

09:30-09:45 Bonaccorsi L., Fazzino F., Fotia A., Malara A., Pedullà A., Calabrò P.
[448] Direct upgrading of biogas produced by anaerobic digestion: preliminary results at laboratory scale

09:45-10:00 Pilafidis S., Tsouko E., Diamantopoulou P., Gkatzionis K., Papagiannopoulos A., Sarris D.
[502] Production of sustainable exopolysaccharides from Schizophyllum commune using brewery spent grain and physicochemical and rheological characterization

10:00-10:15 Fodor F., Müller B., Solti Á., Arcoverde Cerveira Sterner V., Rana D., May Z., Sipos G.
[523] Increasing Tolerance of the Biomass Plant Szarvasi-1 Energy Grass to Abiotic Stresses by S-methylmethionine and Na-salicylate
Session 22 Sustainability & the SDGs
Hera II

09:00-09:15 Kerpelis P., Golfinopoulos S., Alexakis D.
[61] Re-assessment Estimation of the Wastewater Treatment Plants’ Seismic Vulnerability

09:15-09:30 Rutkowska M., Dereń A., Skonieczny J., Kamińska A.
[151] Green Management as an Instrument for Activating Mature-Age Employees

09:30-09:45 Romano F., Mariniello A., Oliva G., Naddeo V., Belgiorno V., Zarra T.
[375] OTAER biotechnology: a new pathway of reaching the Zero Net Carbon in Odours Treatment

09:45-10:00 Astara Z., Panagiotakis I., Dermatas D.

10:00-10:15 Chalastani V., Veniou M., Tsoukala V.
[263] Assessing the progress of insular areas in relation to the Sustainable Development Goals (SDGs): The case of six isolated Greek islands

10:15-00:30 Amorocho-Daza H., van der Zaag P., Susnik J.
[32] Ethical considerations of participatory modelling in the context of sustainable development

10:30-10:33 EVGENOGLOU L., DAMIKOUKA I., VGENOPOULOU E.
[457] The education approach to sustainable water management

Session 23 Hydrology and water resources management
Zeus I

12:00-12:15 Susnik J., Masia S., Teutschbein C.
[48] Water centrality to enabling water-energy-food systems

12:15-12:30 Farmaki P.

12:30-12:45 Yang F., Gato-Trinidad S., Hossain I.
[370] Evaluating the water quality of stormwater runoffs in urban area
12:45-13:00 Gani M.A.

[259] Changes in geomorphic units alter nitrogen fixation in a large lowland tropical river

13:00-13:15 Preziosi E., Parrone D., Frollini E., Ciotoli G., Sciarra A., Ruggiero L., Ghergo S.

[569] A comprehensive monitoring approach to evaluate the impact of an urban landfill on a naturally reducing aquifer

13:15-13:30 Kountouri J., Mettas C., Evagorou E., HADJIMITSIS D.

[267] Development of flood risk maps using Remote Sensing Techniques in Cyprus


[366] Coding Water Efficiency


[65] Domestic water consumption determinants in urban neighborhoods: A case study of Vijayawada, India


Session 24 Climate change
Athena I

11:30-11:45 Li M., Zheng X., Wang C.

[394] Fair guidance in ratcheting up the national net-zero emission ambitions

11:45-12:00 Oliveira M.Y., Guerrero C., Panagopoulos T.

[400] Review and evaluation of the methods for building the Carbon Farming Calculation Tool

12:00-12:15 Bagtzoglou A., Khadim F., Lazin R., Dokou Z., Anagnostou E.

[409] Assessing Climate Change Impacts in the Tana Basin, Ethiopia

12:15-12:30 Tsemekidi S., Tsoutsos T.

[66] Climate change, overheating and public health: analysis of dynamic and correlations in EU regions

12:30-12:45 Soares S., Delerue-Matos C., Oliveira M.

[107] Climate change, air pollution, and risks to honeybees - a review of biomonitoring data

12:45-13:00 Kotrikla A., Fameli K., Polydoropoulou A., Di Ciommo F., Alonso Raposo M.

[325] Living labs in climate response

13:00-13:15 Antoniou A., TSEGAS G., MOUSSIPOULOS N.
Dynamical downscaling of medium- and short-term climate series for assessing climate impacts on a world heritage site

[114] EIP-AGRI innovation drivers on the path to climate change mitigation and adaptation: Multi-Actor approach mapping

13:30-13:45 Njaim G., Giannaros E., Varvarousis A.

[570] Island sustainability means much more than smart and green infrastructure. Learning from Astypalea.

13:45-14:00 Boycheva S., Dimitrov M., Zabov E., Winter F., Popova M.

[555] Utilization of alkaline converted ash blends from lignite and biomass combustion for carbon capture

14:00-14:15 Markaki M., Papadakis S.

[23] The Carbon Footprint of International Tourism in the European Union

14:15-14:18 Zavras A.

[434] Bidirectional effects between the dental industry and climate change

14:18-14:21 Zhang T., Chen L.

[389] Spatiotemporal Characteristics of Industrial Carbon Emissions in Anhui Province, China: A Multiscale Analysis

14:21-14:24 POLEMIS D., Mamalis V.

[504] The geopolitical risk index effect on the energy market, emissions and climate change

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**Session 25 Environmental data analysis and modelling**

**Athena II**

11:30-11:45 Austero S., Resurreccion A., Rollon A., Ballesteros Jr. F., Kwan C., Herrera E., Sinoy M.C., Macasieb R.

[264] Predictive Transport Model of Bisphenol-A in Main Pampanga River

11:45-12:00 Mazioti A.A., Kolovyiannis V., Petalas S., Mamoutos I., Potiris E., Krasakopoulou E., Tragou E., Zervakis V.

[221] Simulating the fate of selected PAHs in Saronikos Gulf, Eastern Mediterranean, using a far-field water-quality model.

12:00-12:15 Celik N., Konyalioglu A.K.

[118] A Machine Learning Approach for the prediction of solid fuels consumption in Turkey

12:15-12:30 Kalari K., Christodoulis K., Bali N., Theodoropoulou M., Tsakiroglou C.

[166] A Deep Learning Model, interpreted with an XAI technique, to simulate and optimize the remediation of oil-drilling cuttings in bubble
flow reactors
12:30-12:45 Simone A., Cesaro A., Esposito G.
[202] Analysis of the Sars-COVID 19 trend: from time series to visibility graphs

12:45-13:00 AGUSTIN R., Rollon A., Kwan C., Ballesteros Jr. F.

13:00-13:03 Despini F., Costanzini S., Parmeggiani D., Ferrari C., Teggi S., Muscio A., Silvestri M., Rabuffi F., Musacchio M.
[133] Capability of high resolution satellite images to characterize urban surfaces: spectra comparison and correlation with in field/lab measurements

13:03-13:06 Kakouri A., Ramacher M., Kuenen J., Speyer O., Gerasopoulos E., Athanasopoulou E.
[219] UrbEm: a method and tool to refine regional emission inventories for urban atmospheric studies

[462] Modelling metal and energy recovery from Acid Mine Drainage by means of Bioelectrochemical Technology

[469] Anthropogenic metal pollution in Saronikos gulf: historical evolution and risk assessment based on selected sediment cores

13:12-13:15 BUTU M., RODINO S., BUTU A.
[275] The benefits of introducing digitization in agricultural sectors

Session 26 Circular economy and bioeconomy
Hera I

11:30-11:45 Almpani-Lekka D., Zavoleas Y.
[106] The building façade as an active skin: Water bio-remediation through a probiotic layer system

11:45-12:00 Earnshaw S., Dedousis P., Vyrkou A., Pieri T., Arampatzis G., Angelis-Dimakis A.
[446] The AquaSPICE Industrial Symbiosis Enabling Platform

12:00-12:15 Kotsia D., Anastasiadi Z., Fountoulakis M.S.

12:15-12:30 Dodos G., Karonis D., Zannikos F.
[499] Utilization of Olive Pomace Derivatives in the Production of Sustainable Lubricants.
12:30-12:45 Dodos G., Dima C., Kaframani N.

[508] Sustainability performance prospects across the lubricants value-supply chain

12:45-13:00 Kora E., Lyberatos G., Ntaikou I.

[126] Polyhydroxyalkanoates production from mixed microbial culture: effect of dissolved oxygen and pH control on yields and productivities

13:00-13:15 Plevri A., Gkoumas F., Koumaki E., Mamais D., Noutsopoulos C., Nikolaou M., Magraritis M., Malamis S.

[103] Comparative evaluation of three different membranes for the treatment of a brewery and a dairy WWTP effluent


[346] Screening of oleaginous yeast Trichosporon coremiforme EXF-8679 in commercial sugars and treatment of olive mill wastewaters


[250] Treatment of two-phase olive mill waste and degradation of phenolic compounds with simultaneous bio-electrochemical conversion of CO2 to CH4 using a Microbial Electrolysis Cell

14:00-14:15 Altiparmaki G., Papamavrou A., Liakos D., Vakalis S.

[572] GREEN HYDROGEN PRODUCTION VIA HYDROTHERMAL GASIFICATION OF ANAEROBIC SLUDGE: A CASE STUDY ON LESVOS ISLAND

Session 27 Waste management and technologies
Hera II

12:00-12:15 Di Costanzo N., Cesaro A., Di Capua F., Mascolo M.C., Esposito G.

[90] Exploring the effects of static magnetic fields for the enhanced valorization of sewage sludge by anaerobic digestion

12:15-12:30 Brueck F., Vogt S., Schnabel K., Weigand H.

[284] Improving the homogeneity of a sewage sludge-based phosphorus fertilizer by Monte Carlo simulation of the production chain

12:30-12:45 Folino A., Gentili E., Komilis D., Calabrò P.

[338] Lessons learned by modelling biogas production in an Italian state-of-the-art landfill active for 35 years

12:45-13:00 Premathilake D.S., Vaccari M., Botelho Junior A.B., Tenório J.S., Espinosa D.R., Colombi F.

13:00-13:15 Hosseinipooya A., Li J.

[562] AI assisted food waste prevention in the hospitality sector: the case study of two hotels in Santorini and Kos, Greece

13:30-13:45 Chroni C., Fortatos S., Abeliotis K., Lasaridi K.
[563] Assessing self-reported food loss and waste in primary production in Greece

13:45-14:00 Caniani D., Mazzone G., Masi S., Mancini I.
[542] Community composting as a tool for sustainable municipal solid waste management and social and economic sustainability: a decision support tool

Session 28 Hydrology and water resources management
Zeus I

15:30-16:00 Pechlivanidis I., Musuuza J.
[34] Customizing global hydrological models for local applications: It is not only about informative data!

16:00-16:15 Gül B., Kayaalp N.
[381] DISAGGREGATION OF GLOBAL CLIMATE MODEL DATA TO CREATE IDF CURVES UNDER RCP8.5 SCENARIO

16:15-16:30 Masia S., Susnik J., Indriksone D., Bremere I., Vamvakeridou-Lyroudia L.
[430] Assessment Of Policy Impact On Water-Energy-Food-Climate-Land Nexus In Latvia

16:30-16:45 Mahar G., Aburizaiza O., Zaigham N.
[384] GIS and Remote Sensing Appraisal to evaluate the groundwater potential in Hali drainage basin, an arid terrain of Arabian red sea coastal belt, Saudi Arabia

16:45-17:00 Khan N., Singh S.
[374] Advancements, Design, and Improvement Strategies for Modern-era Membranes for the Treatment of Wastewater

17:00-17:03 Tarawneh Z.
[386] Simulating the 1-hr Unit Hydrograph for the Ungauged Watershed of Swaqa

17:03-17:06 Chen L., Yu Z.
[388] Understanding Urban Expansion in the Yangtze River Delta Region: Insights for Urban Agglomeration Development
Session 29 Artificial intelligence in environmental applications
Athena I

15:30-16:00 MESSER H.
[444] Opportunistic Integrated Communication and Weather Sensing

16:00-16:15 Skianis K., Giannopoulos A., Spantides S., Hatzaki M., Karditsa A., Trakadas P.
[100] SWIRL: Statistical downscaling for Wind Pattern Reconstruction using Machine Learning

16:15-16:30 Pappas G., Siegel J., Papamichael I., Zorpas A.
[411] A Metaverse framework for waste management

16:30-16:45 Panagopoulos T., Guerrero C.
[455] Drone Imagery Combined With Soil Moisture Monitoring for Efficient Irrigation

16:45-17:00 Katsiri E.
[152] Air-19: Reliable monitoring of air quality and microorganisms in postpandemic municipality building

17:00-17:15 Suits K., Rajarao G., Kändler N., Vassiljev A., Annus I.
[303] Insights gained from stormwater e-monitoring in Viimsi, Estonia

17:15-17:30 Kounani A., Lavazos N., Tsimpiris A., Varsamis D.
[14] Sustainable Smart Agriculture: Plant disease detection with deep learning techniques in cotton cultivation

17:30-17:45 Pan Y., Yang Z.
[458] Low-cost and rapid paper-based microfluidic device for wastewater surveillance at low-resource settings

17:45-17:48 Chrysanthopoulos E., Floros E.(., Pouliaris C., Tsirogiannis I., Kofakis P., Kallioras A.
[320] Monitoring soil water content using IoT Time and Frequency Domain Reflectometry Sensors

Session 30 Citizen science
Athena II

15:30-15:45 Alexopoulos C., Karelis C., Panagiotis K., Orfanou A., Lekkas D., Charalabidis Y.
[167] Analysing the indicators and the associated recommendations of household emission calculators

15:45-16:00 Bonincontro T., Cerceau J., Tena-Chollet F., Becerra S.
[256] How science-society interactions design post-mining territories: transdisciplinary patterns in Cevennes, France
16:00-16:15 Kazana V., Raptis D., CHRYSANTHIDOU E., KAZAKLIS A., MOUNTZIDOU D., PAPADOPOULOU D.

[489] Artificial Neural Network prediction of citizens' climate mitigation perception related to urban green infrastructure: The Case of Drama City in Greece:

16:15-16:30 Mysirlakis N.

[551] From Awareness to Action: Environmental Education as a catalyst for change

16:30-16:45 Kogut P., Alexopoulos C., Celikkol B., Vervaet G., Schreer O., Renault S., Raes L., McAleer S.

[204] Designing Citizen Science tools towards increased awareness and participatory policy making for air quality: The Case of COMPAIR

16:45-17:00 Theodoridou G., Avramidou P., Kassianidis P., Partalidou M., Samaras P.

[258] Understanding of consumers' water consumption preferences and environmental consciousness

17:00-17:15 Jianying X.

[399] Urban residents' perceived risk and green agricultural products consumption decision: A case study in China

17:15-17:30 Ktenidis P., Boulogiorgou D., Andrianopoulou A., Kavadias K., Kaldellis J.(, Exarchakos G.


Session 31 Circular economy and bioeconomy
Hera I

16:00-16:15 Ort V., Ruiz H., Katusic V., Demetriou G.

[289] Mapping the path of an inclusive transition towards circular economy: Local accelerator hubs as enablers of circular business model innovation?

16:15-16:30 Kounani A., Pavloudi A., Aggelopoulos S., Kontrogeorgos A.


16:30-16:45 BUTU M., RODINO S., BUTU A.

[217] Circular bioeconomy in the sustainable biotransformation of agri-food residues and waste

16:45-17:00 Loizia P., Zorpas A., Voukkali I., Papamichael I.

[46] The transition to a circular economy through the development of a waste management strategy: the case study of Sotira Municipality
17:00-17:15 Maceda M.C., Rollon A., Sinoy M.C.

[137] Nitrogen & Phosphorous Removal via Anaerobic / Anoxic-Aerobic Processes and Struvite Formation in Mall Wastewater: Performance of Retrofitted Full-Scale Plants

17:15-17:30 Papamichael I., Voukkali I., Loizia P., Navarro-Pedreño J., Rodríguez-Espinosa T., Zorpas A.

[120] Investigatiavon of customer behavior regarding circular fashion: A case study of Cyprus

17:30-17:45 Voukkali I., Papamichael I., Loizia P., Zorpas A., Stylianou M.

[195] A new trend for urban planning: the vision and the challenges

**Session 32 Waste management and technologies**

**Hera II**

16:00-16:15 Vogt S., Koeniger L., Brueck F., Weigand H.

[265] Improved storage and handling of fine recycled concrete aggregates by accelerated carbonation: towards a quantification method

16:15-16:30 Esterhuizen M., Pflugmacher S.

[214] Survival and antioxidative stress responses in oligochaetes exposed to concrete demolition debris leachates

16:30-16:45 Panagiotakis I., STROMPOULA E., NIKOLAOS M.

[417] Promoting circularity and in-situ reuse of Construction & Demolition Waste on redevelopment of potentially contaminated sites: The EU experience

16:45-17:00 Badran S., Massoud M., Elbassuoni S., Stephan R., Chalak A., Abiad M.G.

[378] Circular Economy Potential in Waste Reuse and Preparation for Reuse (PfR): Insights from Social Media Data Mining

17:00-17:15 Boikou K., Chroni C., Sigala E., Abeliotis K., Lasaridi K.

[472] Exploring the consumers’ behaviour towards storing, repairing and second-hand purchasing of mobile phones in Greece.

17:15-17:30 Pavlopoulos C., Panitsa O.A., Theodoropoulos M., Gkioni S., Papadopoulos K., Kioupis D., Kakali G., Lyberatos G.

[583] Production of hydrogen and geopolymers from end of life photovoltaic panels

17:30-17:33 YOHAI L., GARRIDO MOLINA C., RESINA GALLEG M., LÓPEZ MESAS M., VALIENTE M.

[257] Heavy metal assessment in vineyard sludge. Copper lixiviation and recovery studies.
17:33-17:36 Hatziantoniou M., Firfiri M.

[312] Key determinants of Food Waste production in a hospital in Germany. A quantitative research of patient food waste behavior during hospitalization

17:36-17:39 Hongo T., Shimamura Y., Yamaguchi S., Aoyama N.

[64] Study on selective extraction of calcium from blast furnace slag and its effective utilization

17:39-17:42 Kvesitadze G.

[423] Effective pretreatment of agro-industrial wastes with basidial fungi isolated from diverse ecosystems of Georgia

17:42-17:45 Ramadan B., Rosmalina R., Rachman I., Matsumoto T.

[397] Revealing the Hidden Toxin of the Bottom Ashes from Open Municipal Waste Burning

17:45-17:48 Yadav V., manjhi A., Vadakedath N.

[426] Mercury bioremediation using a newly discovered strain Rheinheimera metallidurans sp. nov. from a waste dumping site

Session 33 CIRCULAR ECONOMY AND BIOECONOMY
Zeus I

13:45-14:00 Gautam R., Ghosh U.

[466] Enhanced hydrogen production rates in Microbial Electrolysis Cell using Biocatalyst

DAY 3 Saturday 2 September

Session 26 Circular economy and bioeconomy
Hera I

10:00-10:15 Lapp F., Liebich T., Lang M., Theilen U., Brueck F., Weigand H.

[249] Biogas Desulfurization by Pelletized Biomass Ash in a Fixed Bed Arrangement

Session 33 CIRCULAR ECONOMY AND BIOECONOMY
Zeus I

09:00-09:15 Lachana Z., Zlatinis G., Tsigkou K., Charalabidis Y., Kornaros M., Lekkas D., Klontza E.

[240] PROMETHEUS: Services, systems and methods for HEIs in the domains of Circular Economy, and Sustainable Development
09:15-09:30 Kretschmer F., Prenner F., Ertl T., Pucher B.


09:30-09:45 Martelo L., Silva M., Bacelo H., Soares H.

[349] A truly circular process for recycling all main raw materials of waste of LCDs screens of smartphones

09:45-10:00 Kirakosyan A., Kalantaryan M., Sukiasyan A.

[313] Physical and Chemical Analysis of the Irrigation Water Polluted by the Anthropogenic Load of the Region

10:15-10:30 KONDILI E., Kaldellis J., ENTMONS A., PETROVITS N.

[334] Comparative evaluation between new construction and refurbishment of existing buildings with the exploitation of their Embodied Energy and Carbon Footprint

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Session 34 Advanced oxidation processes
Athena I

09:30-09:45 Antoniou G. M., Eleni K.

[292] Can Peroxymonosulfate (PMS) be an alternative peroxide treatment for the mitigation of cyanobacteria harmful blooms (cyano-HABs)?

09:45-10:00 Çokay E., Eker S.

[326] Treatment of Leachate Wastewater with Fenton Process

10:00-10:15 Fedorov K., Boczkaj G.

[450] Synergistic effect in hybrid cavitation-based advanced chemical processes for degradation of water pollutants


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Session 35 Soil and groundwater contamination and remediation
Athena II

09:00-09:15 Acosta-Hernández I., Martin M., Rodríguez Romero L., Villaseñor Camacho J., Fernandez-Morales F.J.

[58] Removal of heavy metals from real mine tailings coupling electrokinetic soil flushing and Bioleaching

09:15-09:30 Mystrioti C., Papassiopi N., Xenidis A.

[129] Chromium (VI) and nickel removal by resin supported
nanomagnetite: column experiments
09:30-09:45 Karaviti T., Kotoula D., Georgiou P., Papazoglou E.

[480] The effects of plant biostimulant and mycorrhiza applications on industrial hemp (Cannabis sativa L.) growth and phytoremediation performance

09:45-10:00 Kokkinos P., Grilla E., Isari E., Kalavrouziotis I., Lambropoulou D., Parthenidis P., Evgenidou E.

[513] Safe reuse of landfill leachates for irrigation purposes

10:00-10:15 Djebbari K., Li B., Shor L., Anagnostou E., Bagtzoglou A.

[396] Environmental Effects on the Fate and Co-Transport of Pesticides and Microplastics in Soils Irrigated with Wastewater

10:15-10:18 MASIH A.

[213] POPs in Groundwater: Exposure profiles of Polycyclic Aromatic Hydrocarbons (PAHs) and Organochlorine pesticides (OCPs) at a terai belt of north India

10:18-10:21 Abdeh keykha H., Mavroulidou M., Mohamadzadeh H.

[361] Using CO2- induced magnesium carbonate as environmental friendly additives for petroleum decontamination sandy soils

10:21-10:24 Papadimou S., BARBAYIANNIS N., GOLIA E.

[392] Cultivation of milk thistle in Pb-contaminated urban soils

10:24-10:27 Kotoula D., Karaviti T., Georgiou P., Alexopoulou E., Papazoglou E.

[474] CULTIVATION OF FIBER CROPS FOR SUSTAINABLE SOIL REMEDIATION AND BIOBASED RAW MATERIAL PRODUCTION FOR INDUSTRIAL USES

10:27-10:30 Duffield-Healy M., Fernaud S.

[215] Novel applications of Molecular Biology to aid in environmental bioremediation

10:30-10:33 Anagnostou E., Stathopoulou E., Heimbürger-Boavida L., Nomikou P.

[241] A FIRST INSIGHT OF Hg OCCURRENCE IN THE HELLENIC VOLCANIC ARC

**Session 36 Emerging pollutants**

Hera I

09:30-09:45 Ng K., Alygizakis N., Thomaidis N., Slobodnik J.

[74] Wide-scope target and suspect screening of antibiotics in effluent wastewater from wastewater treatment plants in Europe

09:45-10:00 Miskelyte D., Zaltauskaite J.

[76] Decreased Soil Water Content Effects on the Toxicity of Triclosan to Oilseed Rape (Brassica napus L.)

[80] Growth and biochemical responses of earthworms (Dendrobaena veneta) exposed to tetracycline

[128] Feature-based molecular networking and in silico structure annotation/classification of LC-HRMS data unfold the chemodiversity of cyanobacteria in environmental samples.

[253] Lateral and vertical variations of pharmaceutical contaminants in natural aquatic systems

[360] Functionalized covalent organic framework for separation and enrichment of perfluorinated compounds in environmental waters

[364] Determination of trace bisphenols through magnetic solid-phase extraction with MOF-COF composite.

Session 37 EU projects showcase
Hera II

[559] Real scale application of visible light responsive photocatalytic paints for indoor air quality

[470] Bridging the gap between phytoremediation solutions on growing energy crops on contaminated lands and clean biofuel production - the GOLD project

[473] Marginal agricultural land and climate-resilient and biodiversity-friendly industrial crops for innovative bio-based value chains - the MIDAS project

[528] SYMSITES-EcoSites Implementation for Industrial-Urban Symbiosis through Social and Technological Solutions
10:00-10:15 Karamouzi E., Angelis-Dimakis A., Darra N., Fountas S., Gogou E., Krokida M., Lagonikou M., Manganaris G., Oikonomopoulou V., Panopoulos P., Papadaki S., Serifi O., Galea D., Socol C., Spella M., Valanides N., Valdramidis V., Vodnar D.

[529] **FRIETS Project: Sustainable optimization of the value chain of added-value fresh and dried berries through the integration of Precision Agriculture management strategies and innovative dehydration and edible coating**

10:15-10:30 Spyridonidou A.

[537] **Dialogue4Tourism. Institutional dialogue on Sustainable Tourism and Governance in the Euro-Med area**

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**Session 38 Environmental management and policies**

*Zeus I*

11:30-11:45 PARAMANA T., Dassenakis M.

[51] **Exploring the development of effective measures in order to reduce key pressures under Descriptor 8 of the Marine Strategy Framework Directive**

11:45-12:00 Mpakali E., Vagiona D.

[350] **Assessing wind farms projects with the use of multicriteria methods and stakeholders analysis**

12:00-12:15 Gkeka Serpetsidaki P., Tsoutsos T.

[131] **A critical review of the site selection process for offshore wind farms**

12:15-12:30 Plastara D., Pozoukidou G.

[391] **15-minute Cities: a literature overview exploring international planning strategies**

12:30-12:45 Grapsas N., Vlachos G.

[40] **Assessing the implications of IMO 2020 on tanker vessels’ chartering and employability prospects with a focus on the installation of SOx Scrubbers**

12:45-13:00 Grapsas N.

[39] **Contemporary assessment of International Maritime Organization’s Carbon Intensity Indicator requirement on tanker vessels’ chartering and employability prospects**

13:00-13:15 Mgilane N., Marimuthu F., Maama H.

[521] **Impact of environmental disclosure on financial health of manufacturing firms**


[568] **Enabling sustainability and resilience in industries through the**
value chains' circularity and digitalisation
13:30-13:45 RAJAGURU V.

[135] CONSTRUCTING MARINE PROTECTION AREAS: THE SOUTH CHINA SEA CASE

13:45-14:00 Zervakis V., Tragou E., Krasakopoulou E., Kolovoyiannis V., Mamoutos I., Androulidakis I., Mazioti A.A., Potiris E., Kougioumtzoglou R., Mosiou K., Kalatzi M., Chaniotaki M., Chatzilaou C., Vagi M., Petalas S.

[280] The Development and Implementation of an Environmental Coastal Observatory focused on semi-enclosed Gulfs

Session 39 Advanced oxidation processes
Athena I

11:30-11:45 Dilsizoğlu Akyol N., Ölmelz Hancı T.

[188] APPLICABILITY OF SULFATE RADICAL BASED ADVANCED OXIDATION PROCESSES FOR DRINKING WATER TREATMENT

11:45-12:00 Theodorakopulos G., Arfanis M., Agüera A., Cadena Aponte F., Sánchez Pérez J., Markellou E., Romanos G., Falăräs P.

[270] Photocatalytic nanofiltration reactor for agricultural wastewater purification and reuse

12:00-12:15 Sarasidis V., Petsi P., Plakas K., Karabelas A.

[322] Pilot scale investigation of an advanced photo-electro-chemical oxidation process for treatment of effluents from pesticides manufacturing plants

12:15-12:30 Xue Y., Kamali M., Dewil R.

[352] Synthesis of iron and nitrogen co-doped biochar for the activation of peroxymonosulfate to degrade sulfamethoxazole

12:30-12:45 Ren J., Huang Y., Li Z., Yao J., Zheng S., Hou Y., Yang B., Lei L., Dionysiou D., Zhao Y.

[317] The activation of peroxymonosulfate by phosphate for the abatement of micropollutants: The significant contributions from reactive phosphate species

12:45-13:00 Durán-Álvarez J., Mahjoub O., Garduño-Jiménez A., Cortés-Lagunes S., Zanella R.

[25] Sunlight-driven photocatalysis to remove pharmaceutical residues in Tunisian wastewater effluents: Comparing the performance of Ag2O/TiO2 and BiOI

13:00-13:15 Nguyen H., Nguyen P.

[144] Enhance removal of hospital wastewater contaminated antibiotics by H2O2/S2O82-/ZVI process.


[184] Applicability of Advanced Oxidation Processes for Treatment and Recovery of Washing Machine Effluent
[464] Photocatalytic Treatment of Hospital Secondary Wastewater in a Pilot Scale for the Removal of Residual Pharmaceuticals

[465] Synthesis of LaCuXNi1-XO3 perovskite materials for application as heterogeneous photocatalysts and/or catalysts for persulfate activation

Session 40 Environmental health  
Athena II

11:30-11:45 Chasiotis A., Feloni E., Piromalis D., Papageorgas P., Nastos P., Chasiotis S., Bousdeki M., Sofianopoulos M., Nikolopoulos D., Dimitris K., Mathiou P.  
[296] A smart integrated platform for leakage detection on water supply network in Aigio town

11:45-12:00 Raptis D., Takos I.  
[460] A height-diameter model for urban tree species management in the city of Drama, Northern Greece

[53] Development and application of a LC-HRMS method for the identification and quantification of CECs concern in urine

12:15-12:30 Gil-Solsona R., Pons-Escoda A., Díez S., Gutiérrez-Martín D., Vidal-Sarró N., Bruna J., Dadvand P., Majós C., Gago-Ferrero P.  

12:30-12:45 Gitari W., Makhado K., Mudzielwana R., Dube G.  
[165] Chemical properties of gold mine tailings, tailing leachates and potential of selected indigenous plants as phytoextractors

12:45-12:48 Bali N., Voultisidis D., Gialelis Y.  
[119] Computational Fluid Dynamics (CFD) Analysis Assisted by Portable Sensing Devices for Precise Assessment of Indoor Environmental Conditions

12:48-12:51 LUO C.  
[185] Characterization of environmental lapse rate around a single stationary chimney using UAV-sensors

12:51-12:54 Afonso A., Gomes I., Saavedra M.J., Simões L., Simões M.  
[205] Coaggregating Delftia acidovorans facilitates the metabolic activity of partner bacteria in drinking water biofilms

12:54-12:57 Rañada M.V., Jaraula C.M.  
[211] End-phase Rehabilitation Assessment of Boracay Island Using
Microbial Parameters as Indicator of Water Quality
Session 41 Emerging pollutants
Hera I

11:30-11:45 Kor-Bicakci G., Johnson T., Eskicioglu C.
[169] Assessing the effect of an innovative radio frequency sludge pretreatment on removal of pharmaceuticals of ibuprofen and diclofenac in advanced anaerobic digestion

11:45-12:00 Pereira A.R., Gomes I., Simões M.
[209] Effects of parabens exposure on drinking water bacteria

12:00-12:15 Barka E., Nika M.C., Galani A., Mamais D., Thomaidis N., Malamis S., Noutsopoulos C.
[243] Assessing the performance of an integrated column system containing zero valent iron nanoparticles and sodium persulfate solution for the removal of emerging contaminants from different wastewater matrices - Identification of transformation products

12:15-12:30 Eker S., Çokay E.
[324] Potential contaminants and risk assessment in the Meriç-Ergene Basin under the EU Water Framework Directive

[45] The chemical exposome in maternal blood and placenta and the potential use of sewage sludge to prioritize hazardous substances

12:45-13:00 Albanis T., Boti V., Konstantinou I.
[340] FATE OF NITROFURANS: PHOTOCHEMISTRY, TRANSFORMATION PRODUCTS AND TOXICITY EVALUATION IN SURFACE WATER SYSTEMS

13:00-13:03 Carneiro R., Gomes G., Zaiat M., Santos-Neto Á.
[373] Cometabolic removal of ibuprofen, diclofenac and ciprofloxacin driven by glycerol fermentation in an acidogenic biofilm reactor

13:03-13:06 Triebskorn R., Damalas D., Aleiferi E., Tsepkinli V., Thomaidis N.
[518] Determination of the effect of environmentally relevant pH values on the toxicity, uptake & biotransformation of Propranolol in

[520] Novel polymer-based MALDI matrices: exploring their potential for low molecular weight compound detection, utilizing MALDI-HRMS analytical platforms

Session 42 EU projects showcase
Hera II

11:30-11:45 Tsami N.

[538] Community4Innovation: Innovative Sustainable Economy Thematic Community Project

11:45-12:00 Mardikis I.

[539] BLUE-GREENWAY: Innovative solutions for improving the environmental status of eutrophic and anoxic coastal ecosystems

12:00-12:15 Michail M.

[421] AI-powered Robotic Material Recovery in a Box

12:15-12:30 Mwandira W., Mavroulidou M., Gunn M., Gray C.

[336] Use of food waste as culture media in biocementation for ground improvement applications

Session 43 Agroforestry, Forest and Agricultural Sustainability
Zeus I

15:00-15:15 Boumenjel A., Papadopoulos A., Pantera A.

[315] Tolerance mechanisms and adaptive strategies of Moringa oleifera (L) during growth and vegetative development under water stress in hydroponics

15:15-15:30 du Hamel A., Papadopoulos A., Pantera A.

[316] Solar parks effect on soil properties: Initial results

15:30-15:45 Bakogiorgos G., Papadopoulos A., Pantera A., Lappa V., Tasios A.

[335] Assessment of sustainability of extensive livestock farming in Central Greece (Evrytania prefecture) using S.W.O.T Analysis

15:45-16:00 Gounari S., Botonakis S., Papadopoulos A., Pantera A., Tasios A., Fotiadis G.

[420] Preliminary results of climate effect on phenology of honeydew producing insects of fir trees and the production of fir honey in Evritania - Greece

16:00-16:15 KAVASILIS S., DOULA M., Zorpas A., CAMBANIS L.

Session 44 Water and wastewater treatment and reuse
Athena I

15:00-15:15 Abuhasheesh Y., Hegab H., Wadi V., Naddeo V., AlMarzooqi F., Banat F., Aljundi I., Hasan S.
[97] Hydrophobic Phase Inverted Polyethersulfone Mixed Matrix Membrane for Water-in-Oil Emulsion Separation

15:15-15:30 Abuhantash F., Hegab H., Naddeo V., AlMarzooqi F., Banat F., Aljundi I., Hasan S.
[105] Polylactic Acid/Functionalized CNTs Mixed Matrix Membrane for Oil Water Separation

15:30-15:45 Şimşek İ., Bahadır T., Çelebi H., Tulun Ş.
[19] Selective adsorption of multi-dye ions by Citrus Peel: Characterization, Performance, Regeneration

15:45-16:00 Corpuz M.A., Naddeo V., Buonerba A., Napodano P., Belgiorno V., Zarra T., Choo K., Hasan S.
[553] Technologies for the Removal of Microplastics from Wastewater: A Short Review

16:00-16:15 Jaraula C.M., Limen M.A., Otero M.C., Miguel R., Kobayashi V., Baja E., del Mundo D.M., Murao L.A.
[229] Evaluation of physico-chemical factors affecting Wastewater-Based Epidemiology of SARS-CoV-2 in a southern Philippine sewershed

16:15-16:30 Gao X., Peng Y.

16:30-16:45 Dolgen D., Alpaslan M.
[242] Management of Table Olive Wastewater (TOWW) in Turkey

16:45-17:00 Leovac Maćerak A., Duduković N., Slijepčević N., Volarić A., Tomašević Pilić D., Bečelić-Tominić M., Kerkez D.
[493] Purification of municipal wastewater by electrocoagulation process

17:15-17:18 Licht K., Lončar G., Posavcic H., Halkijević I.
[436] Short-time numerical simulation of ultrasonically assisted electrochemical removal of strontium from water

17:18-17:21 ASSELAH A., ABRAÃO MANUEL BUZI N.
[449] Mass-transfer processes of toxic hexavalent chromium
adsorption onto food waste adsorbent
Session 45 Environmental health
Athena II

15:00-15:15 Tsaligopoulos A., Kyvelou S., Klontza E., Matsinos Y., Lekkas D.


[170] Iodine biofortification of cabbage plants cultivating in hydroponic system

15:30-15:45 Schröder W., Nickel S., Dreyer A., Völksen B.

[56] Mapping Atmospheric Nitrogen Deposition Accumulated in Mosses Collected 2005, 2015 and 2020 in Germany

15:45-16:00 Corpus R.M., Bayani M., Almacha A., Tana K.B.

[200] Mitigating the Environmental Impact of Construction Projects through Effective Pollution Management Strategies


[516] Socioeconomic status and public health in Australia: A wastewater-based study


[342] Response of the lichen Evernia prunastri to exposure of antibiotic

16:18-16:21 Soubasakou G., EVGENOGLOU L., Cavoura O.

[351] A presumptive and interactive map of PFAS contamination in Greece: a tool for the identification of possible exposure sources

16:21-16:24 GOLIA E., KOROPOULI A., Papadimou S., KANTZOU O.D., ANDROUDI M., XAGORARIS C.


16:24-16:27 Oliveira M.Y., Guerrero C., Panagopoulos T.

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[459] The NORMAN Antibiotic Resistance Bacteria and Genes Database (NORMAN ARB&ARG): let’s collaborate to manage risk of Antibiotic Resistance

Session 46 Emerging pollutants
Hera I

15:00-15:15 AbuZaid M., Pandey R., Naddeo V., Banat F., Yousef A., Hasan S.

[101] Synthesis of Two-Dimensional Nanomaterial Based Hybrid Membrane for Antibiotic Removal from Wastewater

15:15-15:30 Konomi A., Gkotsis G., Nika M.C., Chadwick E., O’Rourke E., Farrington C., Potter E., Thomaidis N.

[527] Investigating the occurrence of >2,400 organic micropollutants in different tissues of Eurasian otters leveraging LC- and GC-HRMS techniques


[99] Mitigating the impact of antineoplastic drugs on aquatic environment: nanofiltration as a promising tertiary wastewater treatment

15:45-16:00 Xu H., Xia M., Wang F.

[404] Rapid adsorption of diclofenac by polyaniline-coated carbon nanofiber

16:00-16:15 Rivadulla M., Suarez S., Garrido J., Omil F.

[86] Occurrence and fate of OMPs and ARGs in innovative full-scale WWTPs


[524] Unveiling the occurrence of organic micropollutants in different species of terrestrial mesocarnivores utilizing HRMS techniques


[543] Targeted and untargeted trend analysis in historic samples of top predators and their preys
Session 47 Energy recovery from waste

15:00-15:15 Tsangas M., Loizia P., Voukkali I., Zorpas A.

[190] Life Cycle Assessment of Tyre Pyrolysis Oil, a case for Cyprus

15:15-15:30 KOUMPAKIS D., VLACHOKOSTAS C.

[445] UTILIZATION OF AGRICULTURAL AND URBAN PLASTIC WASTE REVIEW: INTRODUCTION TO PYROLYSIS AND HYDROCARBON REFORMATION

15:30-15:45 MERTZANAKIS C., VLACHOKOSTAS C.

[36] Comparative analysis of WtE technologies based on multiple criteria analysis and life cycle considerations

15:45-16:00 Gkoumas F., Tzivelou E., GRAVANIS Z., Mamais D., Malamis S., Noutzopoulos C.

[216] Investigating the Performance of Anaerobic Co-Digestion of Primary Sludge and Acid Whey Using a Twin Pilot Scale System

16:00-16:15 Ghosh U., Gautam R.

[476] Agro-Industry Waste Fed Microbial Electrolysis Cell for Biohydrogen Production


[533] Plastic waste utilization: Challenges and opportunities for waste-to-energy in Baguio City, Philippines

16:30-16:33 Umiejewska K., Lech P., Retman M.

[155] Impact of Fatty Waste on Anaerobic Digestion of Sewage Sludge at a Municipal Wastewater Treatment Plant - A Case Study
CEST2023 Posters

Poster session - Day 3

Silvia S., Emanuela D.M., Erika M.

[278] ETV in support of the specific objectives defined by the Italian National Strategy on the Circular Economy (Poster)

BERISHA S.

[556] Wastewater surveillance of pharmaceuticals and drugs of abuse in Attica, Greece over the post COVID-19 period with LC-MS/MS (Poster)

VAGI M., NTATSI N., PETSAS A.

[390] Ecotoxicological impacts of pharmaceuticals on marine biota: A Systematic Review (Poster)

Cojocaru V., Cristea I.

[579] Identification and quantification of organochlorine pesticides by GC-ECD in environmental matrices (Poster)

Iancu V., Tenea A., Chiriac F., Pirvu F., Serban G., Cojocaru V., Vasile G.

[577] Sensitive method for the simultaneous detection of ten azole contaminants in water samples by SPE-LC-MS/MS (Poster)


[485] Plastic to microplastic in the United Arab Emirates - plastic bottle caps in a hot, arid environment (Poster)

Gkountouras D., Mparsiopoulou M., Boti V., Albanis T.

[341] OCCURRENCE OF PESTICIDE RESIDUES IN SURFACE WATERS AND RELATED CULTIVATED FOOD PRODUCTS FROM NW GREECE (Poster)


[282] Wild rabbits impact on the agricultural ecosystems of Lemnos island by analyzing ELGA’s compensations (Poster)
RODINO S., BUTU M., BUTU A.

[269] Improve the post-harvest quality of fruits based on edible natural resources (Poster)

Poster session - Day 2

OLANREWAJU C., REDDY M.

[59] VULNERABILITY OF INFORMAL SETTLEMENTS TO FLOOD DISASTERS: A REVIEW OF PUBLIC HEALTH IMPLICATION (Poster)

Paradiso G., Francardo C., Conteduca F., Turdo R., Balestra V., Bellopede R., Comino E.

[75] AKANoah Student Team experience: microplastics analysis technics on the Po River environment (Poster)

Zarkaliou A., Prifti E., Kokkas T., Papadopoulou K., Lyberatos G.

[309] Development of an innovative scheme for the simultaneous treatment of municipal wastewater and the condensate from drying food waste (Poster)

Tran T.H.

[437] Analyzing the impacts of climate change on the key chemical, physical, and biological processes involved in the treatment methods of drinking water supply systems. (Poster)

Markoulatou E., Fountoulakis M.S.

[500] Effect of plant species on the performance of vegetated buffer strips to treat agricultural runoffs (Poster)

Lymperopoulou T., Zarkaliou A., Papadopoulou K., Lyberatos G.

[581] Year-round assessment of water pollutants in five Greek rivers (Poster)

Papadopoulou K., Pavlopoulos C., Zarkaliou A., Lyberatos G.

[582] Anaerobic Co-Digestion of olive oil wastewater with municipal solid and liquid waste: An Urban-Industrial symbiosis concept (Poster)

Cristea I., Cojocaru V., Petre V., Tenea A., Chiriac F., Vasile G.

[580] Study of iodo-haloacetic acids using SPME-GC-MS/MS in chlorinated water (Poster)
Tenea A., Dinu C., Vasile G., Iancu V., Niculescu M.

[576] Speciation of inorganic and organic arsenic forms using HPLC-ICP-MS technique in aqueous matrices (Poster)

Tzempelikou E., Parinos C., Zeri C., Iliakis S., Pavlidou A., Abualnaja Y.

[567] Trace Metals in the water column of the coastal zone in the Red Sea and the Gulf of Aqaba (Poster)

Zafeiriadou A., Kaltsis L., Kostakis M., Kapes V., Thomaidis N., Markou A.

[517] Wastewater surveillance of the most common circulating respiratory viruses in the city of Attica (Poster)

Rud O., Laktionov M., Nova L.


[468] Evaluation of industrial wastes as active materials in permeable reactive barrier for acid mine drainage remediation (Poster)

Chioti D., Sepp H., Nyberg M.

[405] Experiential learning as a strategy for reducing household food waste among young Greeks (Poster)

Vázquez-Méndez M., Alvarez-Vázquez L., García-Chan N., Martínez A., Rodríguez C.

[380] Mathematics for Optimal Design of Sustainable Infrastructures (Poster)

Ernsteins R., Skute A., Konkovs K., Ozolins M., Lagzdina E.

[304] Sustainable water resources governance developments: cross-sectorial policies and societal practice (Poster)

Corpus R.M., Bayani M., Ado R.

[176] Assessing the Effects and Dangers of Climate Change on the Environment and Society of the Philippines (Poster)

Corpus R.M., Bayani M., Ado R., Ballesteros Jr. F.

[175] Exploring the Potential and Challenges of a Developing Carbon Market in the Philippines (Poster)
Galanis G., Antoniou T., Chantzi P., Giortsiou M., Polytsakis P., Karyotis K., Zalidis G.
[159] Improving farming practices to reduce carbon footprint towards climate change mitigation (Poster)

TURGUT O., Vardar S.
[156] Review of Common Bioplastics’ Degradation Potentials in Biogas Plants (Poster)

Rokizas S., Kora E., Kalogirou T., Antonopoulou G., Ntaikou I., Lyberatos G.
[127] Acclimation of microbial consortia on acidogenic effluents for enhanced production of polyhydroxyalkanoates (Poster)

Jawed A., Nassar L., Hegab H., Merwe R., AlMarzooqi F., Banat F., Hasan S.
[104] Recent Developments in Solar Powered Membrane Distillation (Poster)

Loizia P., Papamichael I., Zorpa S., Tsangas M., Economou F., Navarro-Pedreño J., Rodríguez-Espinosa T., Belén Almendro Candel M.
[50] Toward a circular agriculture approach, though industrial symbiosis (Poster)

Vandarakis D., Malliouri D., Petrakis S., Vassilios K., Moraitis V., Hatiris G., Panagiotopoulos I.
[44] CARRYING CAPACITY ASSESSMENT OF THE SOUTH AEGEAN REGION, GREECE (Poster)

Šilha D., Syrová P., Syrová L., Janečková J.
[15] Smoothie Drinks as a Possible Source of Resistant and Biofilm-forming Bacteria (Poster)

Almashhour R.
[10] Integrating Urban Heat Island Mitigation into Green Building Rating Systems (Poster)

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**Poster session - Day 1**

EMPLIOUK I., PLIAKAS F.K., Kallioras A., KALIAMPAKOS D., TZEVELEKIS T.
[132] Hydrogeological research on water supply conditions in a mountainous region of NE Greece (Poster)
Vespasiano G., Cianflone G., Taussi M., Apollaro C., Dominici R., Bloise A., De Rosa R.

[260] Preliminary evaluation of the Shallow Geothermal Potential for Heating and Cooling and study of its economic impact: A Case Study in the Sant’Eufemia Plain, Calabria (South Italy) (Poster)

Porzig M., Wern B., Clemens W.

[367] Procedure of the replacement of fossil fuels for thermal heat supply by regional renewable energies exemplary for textile companies in Indonesia (Poster)

abdulhamid I.


VAGI M., LEVENTELLI M., PETSAS A.

[467] Adsorption-desorption of methylene blue dye onto marine sediments: Kinetics and equilibrium studies (Poster)

Kaikiti C., Stylianou M., Agapiou A.

[584] Indoor air pollutants in various crowded public places (Poster)

Keliri E., Adamou P., Efstathiou N., Kokkinidou D., Kapnisis K., Anayiotos A., Mazur-Marzec H., Tsiarta N., Antoniou G. M.

[575] Calcium peroxide (CaO2) granules enclosed in textile materials as H2O2 delivery systems to mitigate Microcystis sp. blooms (Poster)

Vasileiadou M., Spilanis I., Lekkas D., Vakalis S.

[571] GREEN ENERGY TRANSITION OF SERIFOS - PRESENTATION OF THE KEY ANALYSIS SCENARIOS (Poster)

Manoli P., Tzakou C., Rapti I., Rontou A., Patakioutas G., Hela D.

[558] Physicochemical and spectroscopic characteristics of compost from vineyard waste and wine lees valorization (Poster)

Koumenidi E., Nikolaou A., Golfinopoulos S.

[545] Can Disinfection by Products occur in fish? (Poster)

Dreger M.

[407] The innovative method of testing solid fuels as an answer to safe and sustainable supply of raw materials -the example of coking coal parameters (Poster)
Mori De Olivera C., Sammito A., Boano M., Fischetti M., Toso L., Pizio R., Bellopede R., Marini P. [379] Evaluation of a new technology for increasing the quality of a compost (Poster)

Sujetovienė G., Dabašinskas G. [343] Changes in the value of ecosystem services due to land use dynamics in Lithuania (Poster)


Corpus R.M., Bayani M., Ballesteros Jr. F. [191] Optimizing Raw Water Sustainability through Innovative Supply Chain Management (Poster)


DEMIREL B., TALHA A., TURGUT O., ELİF U., ASU Y., BERİVAN V. [38] EVALUATION OF BIOMETHANE POTENTIAL OF PETROCHEMICAL SLUDGE AFTER PRETREATMENT (Poster)

Energy recovery from waste

Umiejewska K., Lech P., Retman M. [155] Impact of Fatty Waste on Anaerobic Digestion of Sewage Sludge at a Municipal Wastewater Treatment Plant - A Case Study (Flash Paper Presentation)
ROOM: Hera II / 2 Sep 16:30

Emerging pollutants

[544] Predominant chemical mixtures in top predators and their prey in Europe (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 16:21


[543] Targeted and untargeted trend analysis in historic samples of top predators and their preys (Flash Paper Presentation)
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[520] Novel polymer-based MALDI matrices: exploring their potential for low molecular weight compound detection, utilizing MALDI-HRMS analytical platforms (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 13:06

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[364] Determination of trace bisphenols through magnetic solid-phase extraction with MOF-COF composite. (Flash Paper Presentation)
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Mariano S.M., Singh R., Angeles L.G., Aga D., Jaraula C.M.

[253] Lateral and vertical variations of pharmaceutical contaminants in natural aquatic systems (Flash Paper Presentation)
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[128] Feature-based molecular networking and in silico structure annotation/classification of LC-HRMS data unfold the chemodiversity of cyanobacteria in environmental samples. (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 10:18

Zaltauskaite J., Miskelyte D., Sujetovienė G., Dikšaitytė A., Januškaitienė I., Kzacienė G., Dagiliūtė R.

[80] Growth and biochemical responses of earthworms (Dendrobaena veneta) exposed to tetracycline (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 10:15

**Environmental health**

MASIH A.

[443] Ambient Levels and allied health risks of benzene, toluene and xylene (BTX) at an urban residential area of India – A terai region (Flash Paper Presentation)
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[459] The NORMAN Antibiotic Resistance Bacteria and Genes Database (NORMAN ARB&amp;ARG): let’s collaborate to manage risk of Antibiotic Resistance (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 16:30
Oliveira M.Y., Guerrero C., Panagopoulos T.

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ROOM: Athena II / 2 Sep 16:18

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[342] Response of the lichen Evernia prunastri to exposure of antibiotic (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 16:15

Luo C.

[185] Characterization of environmental lapse rate around a single stationary chimney using UAV-sensors (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:48

Sadunishvili T., Amashukeli N., Gaganidze D., Kharadze S., Sturua N., Rezzonico F.

[224] Antibiotic Susceptibility of Erwinia amylovora Isolates from Fire Blight Diseased Pomaceous Fruit Trees in Georgia (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 13:00

Botitsi H., Antoniou S., Tsipi D., Gardikis J., Tzimas E.

[212] High-Throughput Determination of Short-Chain Chlorinated Paraffins in Surface Water by Liquid Chromatography High-Resolution Mass Spectrometry (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:57

Rañada M.V., Jaraula C.M.

[211] End-phase Rehabilitation Assessment of Boracay Island Using Microbial Parameters as Indicator of Water Quality (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:54
Afonso A., Gomes I., Saavedra M.J., Simões L., Simões M.

[205] Coaggregating Delftia acidovorans facilitates the metabolic activity of partner bacteria in drinking water biofilms (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:51

Bali N., Voultsidis D., Gialelis Y.

[119] Computational Fluid Dynamics (CFD) Analysis Assisted by Portable Sensing Devices for Precise Assessment of Indoor Environmental Conditions (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:45

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**Water and wastewater treatment and reuse**

ASSELAH A., ABRAÃO MANUEL BUZI N.

[449] Mass-transfer processes of toxic hexavalent chromium adsorption onto food waste adsorbent (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 17:18

Licht K., Lončar G., Posavcic H., Halkijevic I.

[436] Short-time numerical simulation of ultrasonically assisted electrochemical removal of strontium from water (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 17:15

Tsiarta N., Keliri E., Fotidis I., Mazur-Marzec H., Neofytou G., Chrysargyris A., Tzortakis N., Antoniou G. M.

[574] CYANOTECH: A sustainable and innovative management system for toxic cyanobacteria blooming of surface waters with combined energy production, sustainable agriculture, and food safety. (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 17:45

Hansen M., Hansen H., Gutierrez C., Lazo A., Lazo P.

[271] Application of electrochemical peroxidation with nanoscale zero-valent iron particles (nZVI) for selenium removal from oil refinery wastewater (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 14:18

Hansen H., Gutierrez C., Alarcon J., Lazo A., Hansen M., Lazo P., Ortiz R.

[153] Use of residues from Eucalyptus Globulus as biosorbents for cadmium removal (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 14:15
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[544] Predominant chemical mixtures in top predators and their prey in Europe (Flash Paper Presentation)
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ROOM: Athena II / 2 Sep 16:18

Sujetovienė G., Miskelytė D., Dikšaitytė A., Januškaitienė I., Kzacenė G., Zaltauskaite J.

[342] Response of the lichen Evernia prunastri to exposure of antibiotic (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 16:15

Luo C.

[185] Characterization of environmental lapse rate around a single stationary chimney using UAV-sensors (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:48

Sadunishvili T., Amashukeli N., Gaganidze D., Kharadze S., Sturua N., Rezzonico F.

[224] Antibiotic Susceptibility of Erwinia amylovora Isolates from Fire Blight Diseased Pomaceous Fruit Trees in Georgia (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 13:00

Botitsi H., Antoniou S., Tsipli D., Gardikis J., Tzimas E.

[212] High-Throughput Determination of Short -Chain Chlorinated Paraffins in Surface Water by Liquid Chromatography High-Resolution Mass Spectrometry (Flash Paper Presentation)
Rañada M.V., Jaraula C.M.

[211] End-phase Rehabilitation Assessment of Boracay Island Using Microbial Parameters as Indicator of Water Quality (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:54

Afonso A., Gomes I., Saavedra M.J., Simões L., Simões M.

[205] Coaggregating Delftia acidovorans facilitates the metabolic activity of partner bacteria in drinking water biofilms (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:51

Bali N., Voultsidis D., Gialelis Y.

[119] Computational Fluid Dynamics (CFD) Analysis Assisted by Portable Sensing Devices for Precise Assessment of Indoor Environmental Conditions (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 12:45

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**Advanced oxidation processes**

Konstantinou I., Lykos C., Tsalpatouros K., Fragkos G.

[465] Synthesis of LaCuXNi1-XO3 perovskite materials for application as heterogeneous photocatalysts and/or catalysts for persulfate activation (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 13:21

Konstantinou I., Boti V., Hela D., Albanis T.

[464] Photocatalytic Treatment of Hospital Secondary Wastewater in a Pilot Scale for the Removal of Residual Pharmaceuticals (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 13:18

Kılıç L., Dilsizoğlu-Akyol N., Ölmez-Hancı T.

[184] Applicability of Advanced Oxidation Processes for Treatment and Recovery of Washing Machine Effluent (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 13:15

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**Emerging pollutants**

[544] Predominant chemical mixtures in top predators and their prey in Europe (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 16:21


[543] Targeted and untargeted trend analysis in historic samples of top predators and their preys (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 16:18


[524] Unveiling the occurrence of organic micropollutants in different species of terrestrial mesocarnivores utilizing HRMS techniques (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 16:15

Aleiferi E., Tsakanika M., Damalas D., Kritikou A., Sakellariou G., Thomaidis N.

[520] Novel polymer-based MALDI matrices: exploring their potential for low molecular weight compound detection, utilizing MALDI-HRMS analytical platforms (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 13:06

Triebskorn R., Damalas D., Aleiferi E., Tsepkinli V., Thomaidis N.

[518] Determination of the effect of environmentally relevant pH values on the toxicity, uptake & biotransformation of Propranolol in zebrafish embryos by LC-HRMS (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 13:03

Carneiro R., Gomes G., Zaiat M., Santos-Neto Â.

[373] Cometabolic removal of ibuprofen, diclofenac and ciprofloxacin driven by glycerol fermentation in an acidogenic biofilm reactor (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 13:00

Jiang H.L.

[360] Functionalized covalent organic framework for separation and enrichment of perfluorinated compounds in environmental waters (Flash Paper Presentation)
ROOM: Hera I / 2 Sep 10:24
Zhao R.  
[364] Determination of trace bisphenols through magnetic solid-phase extraction with MOF-COF composite. (Flash Paper Presentation)  
ROOM: Hera I / 2 Sep 10:27

Mariano S.M., Singh R., Angeles L.G., Aga D., Jaraula C.M.  
[253] Lateral and vertical variations of pharmaceutical contaminants in natural aquatic systems (Flash Paper Presentation)  
ROOM: Hera I / 2 Sep 10:21

Iliakopoulou S., Zervou S., Triantis T., Hiskia A., Kaloudis T.  
[128] Feature-based molecular networking and in silico structure annotation/classification of LC-HRMS data unfold the chemodiversity of cyanobacteria in environmental samples. (Flash Paper Presentation)  
ROOM: Hera I / 2 Sep 10:18

Zaltauskaite J., Miskelyte D., Sujetovienė G., Dikšaitytė A., Januškaitienė I., Kzacienė G., Dagiliūtė R.  
[80] Growth and biochemical responses of earthworms (Dendrobaena veneta) exposed to tetracycline (Flash Paper Presentation)  
ROOM: Hera I / 2 Sep 10:15

Advanced oxidation processes

Konstantinou I., Lykos C., Tsalpatouros K., Fragkos G.  
[465] Synthesis of LaCuXNi1-XO3 perovskite materials for application as heterogeneous photocatalysts and/or catalysts for persulfate activation (Flash Paper Presentation)  
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Kılıç L., Dilsizzoğlu-Akyol N., Ölmez-Hancı T.  
[184] Applicability of Advanced Oxidation Processes for Treatment and Recovery of Washing Machine Effluent (Flash Paper Presentation)  
ROOM: Athena I / 2 Sep 13:15
Soil and groundwater contamination and remediation

MASIH A.
[213] POPs in Groundwater: Exposure profiles of Polycyclic Aromatic Hydrocarbons (PAHs) and Organochlorine pesticides (OCPs) at a terai belt of north India (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:15

Anagnostou E., Stathopoulou E., Heimbürger-Boavida L., Nomikou P.
[241] A FIRST INSIGHT OF Hg OCCURRENCE IN THE HELLENIC VOLCANIC ARC (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:30

Duffield-Healy M., Fernaud S.
[215] Novel applications of Molecular Biology to aid in environmental bioremediation (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:27

Kotoula D., Karaviti T., Georgiou P., Alexopoulou E., Papazoglou E.
[474] CULTIVATION OF FIBER CROPS FOR SUSTAINABLE SOIL REMEDIATION AND BIOBASED RAW MATERIAL PRODUCTION FOR INDUSTRIAL USES (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:24

Papadimou S., BARBAYIANNIS N., GOLIA E.
[392] Cultivation of milk thistle in Pb-contaminated urban soils (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:21

Abdeh keykha H., Mavroulidou M., Mohamadzadeh H.
[361] Using CO2- induced magnesium carbonate as environmental friendly additives for petroleum decontamination sandy soils (Flash Paper Presentation)
ROOM: Athena II / 2 Sep 10:18

CIRCULAR ECONOMY AND BIOECONOMY

Schiza S., Petsis K., Tsiara Z., Petousi I., Fountoulakis M.S.
[503] Rainwater collection and treatment on green roofs using aromatic plants in a Mediterranean region. (Flash Paper Presentation)
ROOM: Hera I / 31 Aug 13:42
Tsaousis P., Andrikopoulos K., Mathioudakis G., Soto A., Voyiatzis G., Nteze E., Sideri S.
[495] **PLA based nanocomposites with Cellulosic and Lignocellulosic nanofibers as a biodegradable solution for green food packaging (Flash Paper Presentation)**
ROOM: Hera I / 31 Aug 13:39

Polyzos N., Paschoalinotto B., Compocholi M., Prieto M., Dias M., Barros L., Petropoulos S.
[307] **Drought stress effect on crop development and chemical composition of field grown Scolymus hispanicus L. plants (Flash Paper Presentation)**
ROOM: Hera I / 31 Aug 13:36

Chaski C., Batziou E., Giannoulis K., Petropoulos S.
[301] **THE EFFECTS OF BIOSTIMULANT APPLICATION ON Lavandula angustifolia CULTIVATION UNDER DEFICIT IRRIGATION (Flash Paper Presentation)**
ROOM: Hera I / 31 Aug 13:33

Kiouranakis G., Ioannou Z., Gkatzionis K., Papanikolaou S., Sarris D.
[345] **Treatment of three agro-industrial wastewaters by dried bio-absorbent orange peels and brewery spent grains. (Flash Paper Presentation)**
ROOM: Hera I / 31 Aug 13:30

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**Waste management and technologies**

Hatziantoniou M., Firfiri M.
[312] **Key determinants of Food Waste production in a hospital in Germany. A quantitative research of patient food waste behavior during hospitalization (Flash Paper Presentation)**
ROOM: Hera II / 1 Sep 17:33

Yadav V., manjhi A., Vadakedath N.
[426] **Mercury bioremediation using a newly discovered strain Rheinheimera metallidurans sp. nov. from a waste dumping site (Flash Paper Presentation)**
ROOM: Hera II / 1 Sep 17:45

Ramadan B., Rosmalina R., Rachman I., Matsumoto T.
[397] **Revealing the Hidden Toxin of the Bottom Ashes from Open Municipal Waste Burning (Flash Paper Presentation)**
ROOM: Hera II / 1 Sep 17:42
Kvesitadze G.  
[423] Effective pretreatment of agro-industrial wastes with basidial fungi isolated from diverse ecosystems of Georgia (Flash Paper Presentation)  
ROOM: Hera II / 1 Sep 17:39

Hongo T., Shimamura Y., Yamaguchi S., Aoyama N.  
[64] Study on selective extraction of calcium from blast furnace slag and its effective utilization (Flash Paper Presentation)  
ROOM: Hera II / 1 Sep 17:36

YOHAI L., GARRIDO MOLINA C., RESINA GALLEGO M., LÓPEZ MESAS M., VALIENTE M.  
[257] Heavy metal assessment in vineyard sludge. Copper lixiviation and recovery studies. (Flash Paper Presentation)  
ROOM: Hera II / 1 Sep 17:30

Circular economy and bioeconomy

Schiza S., Petsis K., Tsiara Z., Petousi I., Fountoulakis M.S.  
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[345] Treatment of three agro-industrial wastewaters by dried bio-absorbent orange peels and brewery spent grains. (Flash Paper Presentation)  
ROOM: Hera I / 31 Aug 13:30
Artificial intelligence in environmental applications

Chrysanthopoulos E., Floros E., Pouliais C., Tsirogiannis I., Kofakis P., Kallioras A.

[320] Monitoring soil water content using IoT Time and Frequency Domain Reflectometry Sensors (Flash Paper Presentation)
ROOM: Athena I / 1 Sep 17:45

Hydrology and water resources management

Chen L., Yu Z.

ROOM: Zeus I / 1 Sep 17:03

Tarawneh Z.

[386] Simulating the 1-hr Unit Hydrograph for the Ungauged Watershed of Swaqa (Flash Paper Presentation)
ROOM: Zeus I / 1 Sep 17:00

Akogwu S., Wan Maznah W.O., JAMES F., LUKI S., MUHAMMAD I.

[136] Application of Constant rate of Pb supply model for the Determination of chronology and Sediment Accumulation Rates: a case study of Bukit Merah reservoir Perak, Malaysia. (Flash Paper Presentation)
ROOM: Zeus I / 1 Sep 13:48

Bandari A., Puttaparthi P.V., Sadhukhan S.

[65] Domestic water consumption determinants in urban neighborhoods: A case study of Vijayawada, India (Flash Paper Presentation)
ROOM: Zeus I / 1 Sep 13:45

Waste management and technologies

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[345] Treatment of three agro-industrial wastewaters by dried bio-absorbent orange peels and brewery spent grains. (Flash Paper Presentation)
ROOM: Hera I / 31 Aug 13:30

Environmental data analysis and modelling

BUTU M., RODINO S., BUTU A.

[275] The benefits of introducing digitization in agricultural sectors (Flash Paper Presentation)
ROOM: Athena II / 1 Sep 13:12


[469] Anthropogenic metal pollution in Saronikos gulf: historical evolution and risk assessment based on selected sediment cores (Flash Paper Presentation)
ROOM: Athena II / 1 Sep 13:09

Delgado Y., Lopez E., Martin M., Llanos J., Fernandez-Morales F.J.

[462] Modelling metal and energy recovery from Acid Mine Drainage by means of Bioelectrochemical Technology (Flash Paper Presentation)
ROOM: Athena II / 1 Sep 13:06

Kakouri A., Ramacher M., Kuenen J., Speyer O., Gerasopoulos E., Athanasopoulos E.

[219] UrbEm: a method and tool to refine regional emission inventories for urban atmospheric studies (Flash Paper Presentation)
ROOM: Athena II / 1 Sep 13:03

Despini F., Costanzini S., Parmeggiani D., Ferrari C., Teggi S., Muscio A., Silvestri M., Rabuffi F., Musacchio M.

[133] Capability of high resolution satellite images to characterize urban surfaces: spectra comparison and correlation with in field/lab measurements (Flash Paper Presentation)
ROOM: Athena II / 1 Sep 13:00
Climate change

POLEMIS D., Mamalis V.  
[504] The geopolitical risk index effect on the energy market, emissions and climate change (Flash Paper Presentation)  
ROOM: Athena I / 1 Sep 14:21

Zhang T., Chen L.  
[389] Spatiotemporal Characteristics of Industrial Carbon Emissions in Anhui Province, China: A Multiscale Analysis (Flash Paper Presentation)  
ROOM: Athena I / 1 Sep 14:18

Zavras A.  
[434] Bidirectional effects between the dental industry and climate change (Flash Paper Presentation)  
ROOM: Athena I / 1 Sep 14:15

Hydrology and water resources management

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ROOM: Zeus I / 1 Sep 17:03

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[386] Simulating the 1-hr Unit Hydrograph for the Ungauged Watershed of Swaqa (Flash Paper Presentation)  
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Bandari A., Puttaparthi P.V., Sadhukhan S.  
[65] Domestic water consumption determinants in urban neighborhoods: A case study of Vijayawada, India (Flash Paper Presentation)  
ROOM: Zeus I / 1 Sep 13:45
**Sustainability & the SDGs**

EVGENOGLOU L., DAMIKOUKA I., VGENOPOULOU E.

[457] The education approach to sustainable water management (Flash Paper Presentation)
ROOM: Hera II / 1 Sep 10:30

**Environmental data analysis and modelling**

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[434] Bidirectional effects between the dental industry and climate change (Flash Paper Presentation)
ROOM: Athena I / 1 Sep 14:15

**Renewable energy sources**

Alajlan M., Alsalem K.
[463] Solar attenuation due to particulate matter in arid environments (Flash Paper Presentation)
ROOM: Hera II / 31 Aug 17:45

**Life cycle analysis (LCA)**

Martínez-Hernando M., Bolonio D., García-Martínez M., F. Ortega M., F. Llamas J.
[67] Environmentally-Extended Multi-Regional Input-Output Analysis of neodymium, cobalt and lithium used in electric vehicles (Flash Paper Presentation)
ROOM: Hera I / 31 Aug 17:33

Stylianou M., Papamichael I., Voukkali I., Tsangas M., Omirou M., Ioannides I., Zorpas A.
[332] Life Cycle Assessment of fertilization practices on greenhouse gas emissions in Cyprus (Flash Paper Presentation)
ROOM: Hera I / 31 Aug 17:30

**Air pollution and health**
Huang D., Kang Y., Yin Y., Zhang C.
[93] The impact of air pollution on spontaneous abortion (Flash Paper Presentation)
ROOM: Athena II / 31 Aug 17:51

Gkaras S., Triantafyllou E., Dougali A., Diamantopoulos C., Tolis E., Triantafyllou A.
[123] Source profile of PM10 emission sources in Western Macedonia, Greece, during 2022 (Flash Paper Presentation)
ROOM: Athena II / 31 Aug 17:48

Christofidou M., Michael N., Rossidou E., Kozakou S., Poulli K.
[414] Monitoring Air Quality in Cyprus (Flash Paper Presentation)
ROOM: Athena II / 31 Aug 17:45

Water and wastewater treatment and reuse

ASSELAH A., ABRAÃO MANUEL BUZI N.
[449] Mass-transfer processes of toxic hexavalent chromium adsorption onto food waste adsorbent (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 17:18

Licht K., Lončar G., Posavcic H., Halkijevic I.
[436] Short-time numerical simulation of ultrasonically assisted electrochemical removal of strontium from water (Flash Paper Presentation)
ROOM: Athena I / 2 Sep 17:15

Tsiarta N., Keliri E., Fotidis I., Mazur-Marzec H., Neofytou G., Chrysargyris A., Tzortakis N., Antoniou G. M.
[574] CYANOTECH: A sustainable and innovative management system for toxic cyanobacteria blooming of surface waters with combined energy production, sustainable agriculture, and food safety. (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 17:45

Hansen M., Hansen H., Gutierrez C., Lazo A., Lazo P.
[271] Application of electrochemical peroxidation with nanoscale zero-valent iron particles (nZVI) for selenium removal from oil refinery wastewater (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 14:18
Hansen H., Gutierrez C., Alarcon J., Lazo A., Hansen M., Lazo P., Ortiz R.

Use of residues from *Eucalyptus Globulus* as biosorbents for cadmium removal (Flash Paper Presentation)
ROOM: Zeus I / 31 Aug 14:15

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**Ecology, environmental change and management**

Balestra V., Drudi L., Bellopede R.

The invisible environmental impact of tourism in show caves: microplastic pollution in three Italian show caves (Flash Paper Presentation)
ROOM: Hera II / 31 Aug 13:42

Merchán-Fernández Y., García Ontiyuelo M., Acuña Alonso C., Álvarez X.

Study of fragmentation and land use changes in the Natural Parks of Galicia (Flash Paper Presentation)
ROOM: Hera II / 31 Aug 13:39


Transforming wild rabbits’ overpopulation problem into a local biotic resource of Lemnos island (Flash Paper Presentation)
ROOM: Hera II / 31 Aug 13:36

Xhanari K., Xhanari K., Kokalari E.

Cornus Sanguinea Leaves Alcoholic Extract As Corrosion Inhibitor For Carbon Steel In Acidic Solutions (Flash Paper Presentation)
ROOM: Hera II / 31 Aug 13:33

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**Circular economy and bioeconomy**

Schiza S., Petsis K., Tsiara Z., Petousi I., Fountoulakis M.S.

Rainwater collection and treatment on green roofs using aromatic plants in a Mediterranean region. (Flash Paper Presentation)
Beach erosion of island beaches in Eastern Mediterranean (Greece and Cyprus): Assessment, monitoring and management

MONIOUDI I., Andreadis O., Chatzistratis D., Chalazas T., Hasiotis T., VELEGRAKIS A., Monioudis E., Mettas C., Koutsantonaki C.
[299] An Example of a Detailed Beach Inventory at an Island Scale: The Case of Chios, Greece (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 13:45

Stamatiadou V., Katsanevakis S., Mazaris A.
[454] Uncovering the Hidden Treasures: A Meta-Analysis and Map of the Monetary Value of Mediterranean Seagrass Ecosystem Services (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 13:48

Water and wastewater treatment and reuse
ESG (Environmental, Social and Governance) and circular economy

Kiritsi A., Tripathi S.

ROOM: Hera II / 31 Aug 10:30

Sustainable production and management of biomass
KAEWKANNETRA P., LORWANISHPAISARN N.

[510] Valorisation of biomass waste into bioproduct: Potential use of cannabis extracts for bacterial inhibition activity (Flash Paper Presentation)
ROOM: Hera I / 31 Aug 10:30

Recycling of materials to new products

BUTU A., RODINO S., BUTU M.

[218] Microbial inoculum production for bioleaching of critical metals from tailings (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 10:24

Castro A., Gomes A., Correia A., Ribeiro H., Queirós A.

[116] Reimbursement of aluminum and PET packaging project at a University Campus: a case study (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 10:21

Langousi I., Markou G., Arapoglou D.

[113] Valorization of poultry manure extract enriched with sodium acetate in mixotrophic cultivation of Auxenochlorella protothecoides (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 10:18

Liotta I., Avolio R., Castaldo R., Gentile G., Errico M.E., Cocca M.

[108] RECYCLING APPROACHES OF MARINE PLASTIC LITTER (Flash Paper Presentation)
ROOM: Athena I / 31 Aug 10:15

Water and wastewater treatment and reuse

ASSELAH A., ABRAÃO MANUEL BUZI N.

[449] Mass-transfer processes of toxic hexavalent chromium adsorption onto food waste adsorbent (Flash Paper Presentation)
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